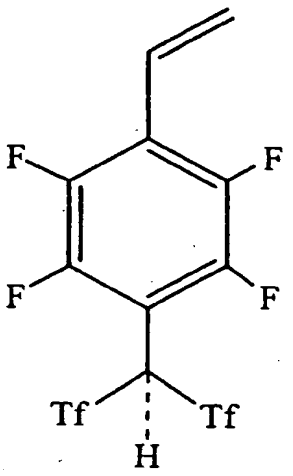
CLAIMS

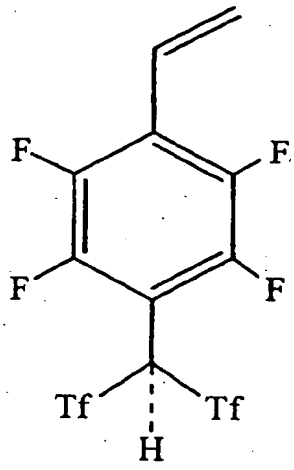
1. A monomer compound represented by the general formula (1):



(1)

wherein Tf indicates a trifluoromethane sulfonyl group ($-SO_2CF_3$).

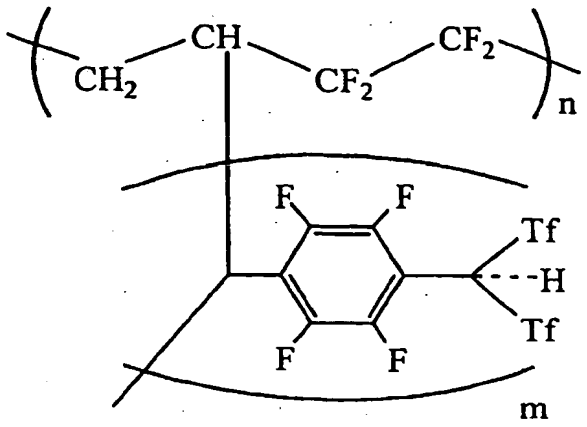
2. A graft copolymer compound in which the monomer compound represented by the general formula (1):



(1)

is graft-copolymerized to the main chain of a fluorine-containing hydrocarbon polymer, wherein Tf indicates a trifluoromethane sulfonyl group ($-SO_2CF_3$).

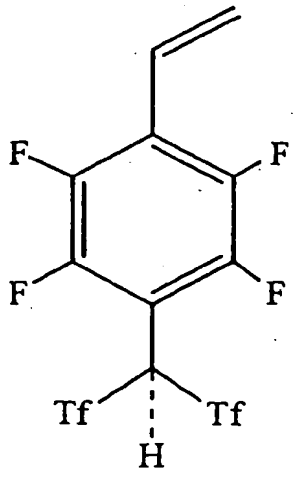
3. The graft copolymer compound according to claim 2 represented by the general formula (2):



(2)

wherein the main chain of said fluorine-containing hydrocarbon polymer is an ethylene-tetrafluoroethylene copolymer, and Tf indicates a trifluoromethane sulfonyl group ($-SO_2CF_3$), n is not less than 10, and m is not less than 3.

4. A method for manufacturing a graft copolymer compound comprising graft-copolymerizing the monomer compound represented by the general formula (1):

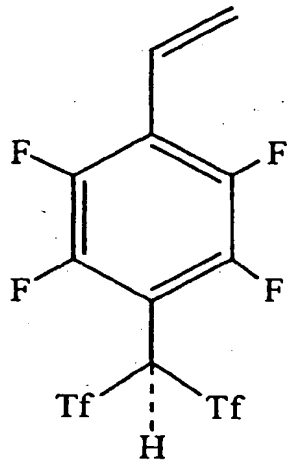


(1)

to a fluorine-containing hydrocarbon polymer compound, wherein Tf indicates a trifluoromethane sulfonyl group ($-SO_2CF_3$).

5. A polymer electrolyte membrane wherein the graft copolymer compound according to claim 2 or 3 is processed into a membrane.

6. A polymer electrolyte membrane wherein the monomer compound represented by the general formula (1):



(1)

is graft-copolymerized to a base film comprising a fluorine-containing hydrocarbon polymer, wherein Tf indicates a trifluoromethane sulfonyl group ($-SO_2CF_3$).

7. A polymer electrolyte fuel cell comprising the electrolyte membrane according to claim 5 or 6, reactive poles that sandwich said electrolyte membrane on both sides thereof, and separators that sandwich said reactive poles.